

# Structure Chart :

- It is a picture that partitioning of a system into modules i.e. in to black boxes which is showing that hierarchy, organizations & communications between modules.
- Structure chart is a picture that convey large amount of informations very quickly with the help of Hierarchy, organization & communication between module.
- Structure chart is better than flowchart because,  
1) The problem with flowchart is a flowchart show the detail of the system and does not tell how the details are organized.



2) Structure chart is partitionable so we can not only get overview of the system but also minute details of only part of it.

3) Structure chart help user to develop different part of its same time so designing & programming process will be done quickly.

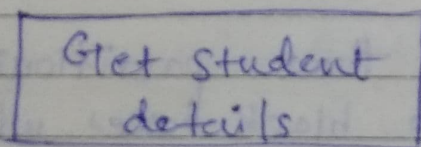
→ Creating Structure chart :

- There are some symbols use in structure chart.

1) Modules :

- It is represented as a rectangular box with its name inside.

- eg.

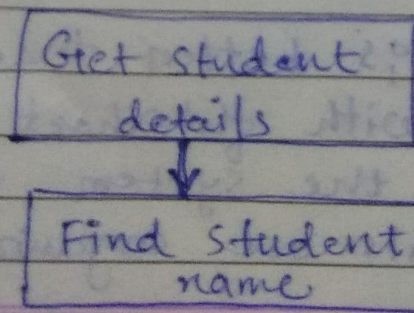


2) Linking modules :

- Two modules are connected by arrow.

- The action of connecting arrow indicate that controlling is passed from one module to another module in the direction of connecting arrow.

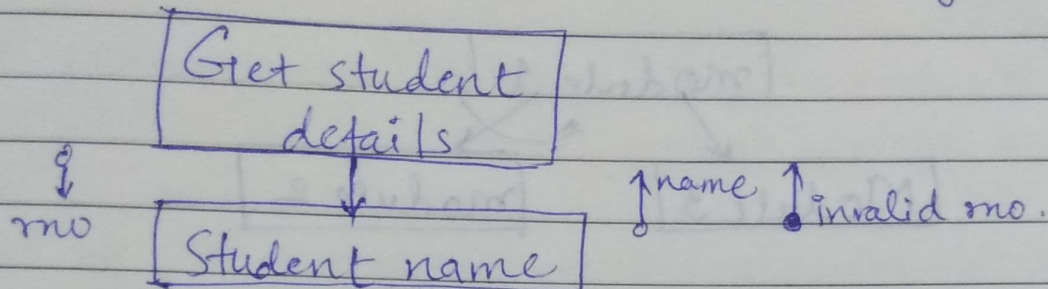
- eg.





### 3) Data Flow arrow :

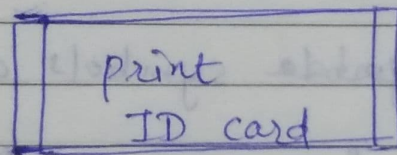
- It represent name data moving from one module to another module in the direction of arrow.



### 4) Library module or predefine module:

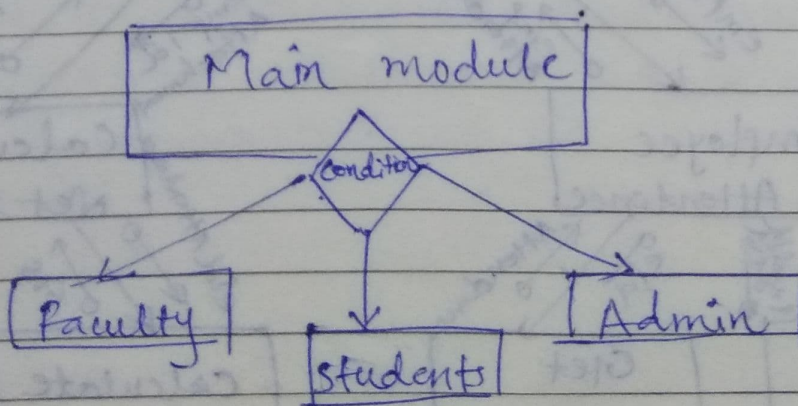
- It compares of frequently call module and it is usually represented by rectangle with double ages.

- eg.



### 5) Selections or decision or alternatives representation:

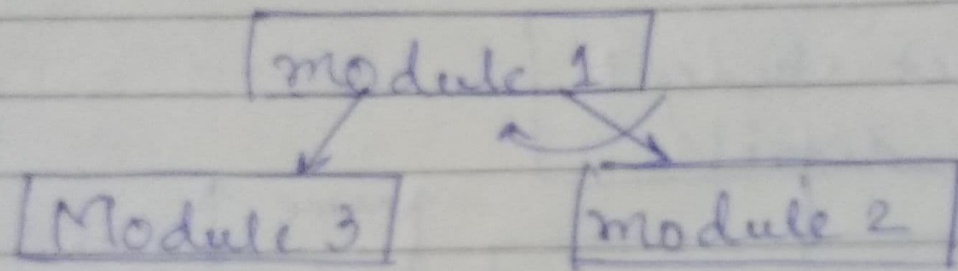
- one module or several modules connected with diamond symbol is invoke depending upon the condition satisfy.





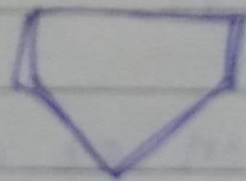
## 6) Repeation Representation:

- A loop around control flow arrow denote the respective module are invoke iteratively.



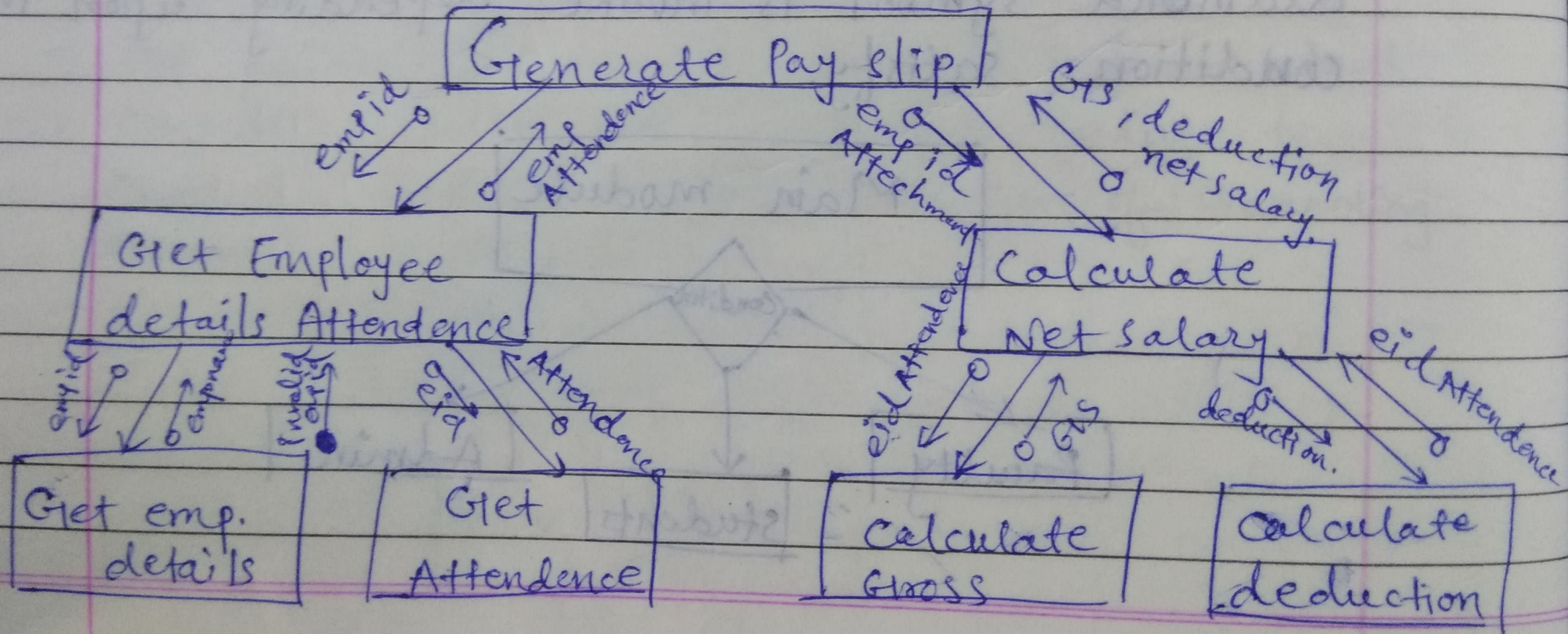
## 7) Connector and <sup>page</sup> ~~pass~~ continuity:

- Connectors are normally use to avoid crossing lines in Structure chart.
- Pass connector symbols are represented by:





# \* Structure Chart for college payroll System :





# \* Advantage of Structure chart :

- 1) Structure chart are ~~are~~ excellent tool for top level design and planning.
- 2) Structure chart support development of functional design.
  - Each module is represented as processing functions that can be related to logical system
- 3) Structure chart partition system into module to define hierarchy of processing.
  - Data couple show how data are passed between modules and clarify relationship of higher & lower level modules.
- 4) Structure chart can not only get overview of the system but also minute details of any part of it.
- 5) Structure chart help user to develop different part of it at same time. So designing & programming will be done quickly.



## \* Disadvantages of Structure Chart :

- 1) Preparation of Structure chart require special symbols. The designer team must learn or understand this symbol before moving ahead.
- 2) It require time for preparing or modifying.
- It is specially when ~~case tool~~ CASE Tools and another type of software are not available to help to ~~designer~~ designer team with documentation.